

**LACTATED RINGERS - sodium chloride, sodium lactate, potassium chloride and calcium chloride irrigant**  
Baxter Healthcare Corporation

**DESCRIPTION**

Lactated Ringer's Irrigation is a sterile, nonpyrogenic, isotonic solution in a single dose ARTHROMATIC plastic container for use as an arthroscopic irrigating solution. Each liter contains 6.0 g Sodium Chloride, USP, (NaCl), 3.1 g Sodium Lactate (C<sub>3</sub>H<sub>5</sub>NaO<sub>3</sub>), 300 mg Potassium Chloride, USP, (KCl), and 200 mg Calcium Chloride, USP, (CaCl<sub>2</sub>•2H<sub>2</sub>O). pH 6.5 (6.0 to 7.5). Milliequivalents per liter: Sodium - 130, Potassium - 4, Calcium - 3, Chloride - 109, Lactate - 28. Osmolarity 273 mOsmol/L (calc.). No antimicrobial agent has been added.

The ARTHROMATIC plastic container is fabricated from a specially formulated polyvinyl chloride (PL 146 Plastic). The amount of water that can permeate from inside the container into the overwrap is insufficient to affect the solution significantly. Solutions in contact with the plastic container can leach out certain of its chemical components in very small amounts within the expiration period, e.g., di-2-ethylhexylphthalate (DEHP), up to 5 parts per million. However, the safety of the plastic has been confirmed in tests in animals according to USP biological tests for plastic containers as well as by tissue culture toxicity studies.

**CLINICAL PHARMACOLOGY**

Lactated Ringer's Irrigation is useful as an irrigating fluid for body joints because it approximates the electrolyte composition of synovial fluid, and provides a transparent fluid medium with optical properties suitable for good visualization of the interior joint surface during endoscopic examination. During arthroscopic surgical procedures, the solution acts as a lavage for removing blood, tissue fragments, and bone fragments.

**INDICATIONS AND USAGE**

Lactated Ringer's Irrigation is indicated for use as an arthroscopic irrigating fluid with endoscopic instruments during arthroscopic procedures requiring distension and irrigation of the knee, shoulder, elbow, or other bone joints.

**CONTRAINDICATIONS**

None known.

**WARNINGS**

Not for injection.

Because fluids used to irrigate joints may be absorbed into the general circulation, solutions containing sodium ion should be used with great care in patients with congestive heart failure, severe renal insufficiency, and in clinical states in which there exists edema with sodium retention.

The contents of an opened container should be used promptly to minimize the possibility of bacterial growth or pyrogen formation. Discard the unused portion of irrigating solution since no antimicrobial agent has been added.

**PRECAUTIONS**

Because some of the fluid used to irrigate joints may be absorbed, caution must be exercised in the volume of irrigating fluid used especially with solutions containing the sodium ion in patients receiving corticosteroids or corticotropin.

**Pediatric Use**

Safety and effectiveness in pediatric patients have not been established.

Do not administer unless the solution is clear and the seal is intact.

**ADVERSE REACTIONS**

None known.

**DOSAGE AND ADMINISTRATION**

The volume of solution needed will vary with the nature and duration of the arthroscopic procedure.

If desired, warm in overwrap to near body temperature in a water bath or oven heated to not more than 45° C.

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration whenever solution and container permit.

**HOW SUPPLIED**

Lactated Ringer's Irrigation in ARTHROMATIC Plastic Container is available as follows:

2B7487	3000 mL	NDC 0338-0137-27
2B7489	5000 mL	NDC 0338-0137-29

Exposure of pharmaceutical products to heat should be minimized. Avoid excessive heat. It is recommended the product be stored at room temperature (25° C); brief exposure up to 40° C does not adversely affect the product.

**DIRECTIONS FOR USE**

Tear overwrap down side at slit and remove solution container. Some opacity of the plastic due to moisture absorption during the sterilization process may be observed. This is normal and does not affect the solution quality or safety. The opacity will diminish gradually. Check for minute leaks by squeezing bag firmly. If leaks are found, discard solution as sterility may be impaired. Use Aseptic Technique.

1. Suspend container using hanger hole.
2. Remove protector from outlet port.
3. Attach irrigation set. Refer to complete directions accompanying set.

**Baxter Healthcare Corporation**

Deerfield, IL 60015 USA

Printed in USA

07-19-44-612

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**PACKAGE LABEL - PRINCIPAL DISPLAY PANEL****Container Label**

NOT FOR INJECTION

5000 mL

2B7489

NDC 0338-0137-29



EACH 100 mL CONTAINS 600 mg SODIUM CHLORIDE USP  
310 mg SODIUM LACTATE 30 mg POTASSIUM CHLORIDE  
USP 20 mg CALCIUM CHLORIDE USP NO ANTIMICROBIAL  
AGENT HAS BEEN ADDED pH 6.5 (6.0 to 7.5)  
mEq/L SODIUM 130 POTASSIUM 4 CALCIUM 3  
CHLORIDE 109 LACTATE 28 OSMOLARITY 273 mOsmol/L  
(CALC) STERILE NONPYROGENIC SINGLE DOSE  
CONTAINER

DO NOT USE UNLESS SOLUTION IS CLEAR  
DISCARD UNUSED PORTION

CAUTIONS SQUEEZE AND INSPECT INNER BAG WHICH  
MAINTAINS PRODUCT STERILITY DISCARD IF LEAKS ARE  
FOUND **Rx ONLY** STORE UNIT IN MOISTURE BARRIER  
OVERWRAP AT ROOM TEMPERATURE (25°C) UNTIL READY TO  
USE AVOID EXCESSIVE HEAT SEE INSERT



ARTHROMATIC CONTAINER

PL 146 PLASTIC

**Baxter**  
BAXTER HEALTHCARE CORPORATION  
DEERFIELD IL 60015 USA  
MADE IN USA

BAXTER ARTHROMATIC AND  
PL 146 ARE TRADEMARKS OF  
BAXTER INTERNATIONAL INC  
FOR PRODUCT INFORMATION  
1-800-933-0303

4500

4000

3500

3000

2500

2000

1500

1000

500

NOT FOR INJECTION

5000 mL

2B7489

NDC 0338-0137-29

Lactated Ringers

IRRIGATION

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**Lactated Ringers**

**IRRIGATION**

ARTHROMATIC CONTAINER

PL 146 PLASTIC

*Baxter*

**BAXTER HEALTHCARE CORPORATION**

DEERFIELD IL 60015 USA

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BAXTER INTERNATIONAL INC

FOR PRODUCT INFORMATION

1-800-933-0303

**Carton Label**

LACTATED RINGER'S IRRIGATION

SECONDARY BAR CODE

(17) YYMM00 (10) XXXXX

PRIMARY BAR CODE

(01) 50303380137294

2B7489

ARTHROMATIC CONT  
2-5000ML

LOT XXXXX  
EXP XXXXX

LACTATED RINGER'S IRRIGATION

ARTHROMATIC CONT

2-5000ML

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